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Examiner : Tuyen T. Nguyen
Art Unit : 2832
Docket No.: 52433/756

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : H. MOGI et al.
Application No. : To Be Assigned
Filed : Herewith
For : ELECTRICAL STEEL SHEET FOR LOW-NOISE
TRANSFORMER AND LOW-NOISE TRANSFORMER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Enclosed is completed form PTO-1449 listing references which may be of interest to the Patent and Trademark Office in the examination of the above-identified patent application. Copies of the listed references are also enclosed.

This application is a divisional application of prior pending Application No. 10/034,061 filed December 27, 2001.

The references listed on PTO-1449 are the references of record in prior Application No. 10/034,061.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 52433/756	U.S. SERIAL NO. To Be Assigned
	APPLICANT MOGI, et al.	
	FILING DATE Herewith	GROUP 2832

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5, 063, 098	November 5, 1991	T. NIWA	428	78	
	5, 118, 698	February 23, 1993	R. Imai	156	500	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	H-5-251246	September 28, 1993	Japan			abstract	
	H-7-305115	November 21, 1995	Japan			abstract	
	H-8-45751	February 16, 1996	Japan			abstract	
	2000-124044	April 28, 2000	Japan			abstract	
	2000-82622	March 21, 2000	Japan			abstract	
	H-8-111322	April 30, 1996	Japan			abstract	
	H-7-85457	March 31, 1995	Japan			abstract	
	H-8-250339	September 27, 1996	Japan			abstract	
	2001-93583	April 1, 2000	Japan			abstract	
	W0 99/33156	July 1, 1999	PCT			English	
	H-8-250339	September 27, 1996	Japan			abstract	

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		NOZAWA, et al., "Relationship Between Total Losses Under Tensile Stress in 3 Percent Si-Fe Single Crystals and Their Orientations Near (110)[001]", IEEE Transactions on Magnetics, Vol. MAG14 No. 4, July 1978, pp. 252-257.
		"Development of Orient Core Hi-B", OHM '72/2, February 1972, pp. 1-7
		Patent Abstract of Japan, JP 08250339, September 27, 1996.
		Patent Abstracts of Japan, JP 62001879, January 7, 1987.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

In the reference entitled "Relationship Between Total Losses Under Tensile Stress in 3 Percent Si-Fe Single Crystals and Their Orientations Near (001)[001]", the Japanese patent attorneys handling this case direct specific attention to Page 2, lines 3-16.

In the reference entitled "Development of Orient Core Hi-B" from OHM '72/2, the Japanese patent attorneys handling this case direct specific attention to Page 2, line 11:

"It can be seen that Orient Core Hi-B improves both hysteresis loss and eddy current loss. Fig. 2 shows an importance of tensile stress in a grain-oriented electrical steel sheet. This effect can be seen in Orient Core Hi-B having B₈ characteristic. This tensile stress is mainly caused by a formation of glass film. The effect combined with an improvement of hysteresis loss increases more than 0.3 W/kg (W_{17/50}) and increases 3 grades compared with the conventional product".

An action on the merits is respectfully requested.

Respectfully submitted,

KENYON & KENYON

March 25, 2004 By: *John J. Kelly, Jr.*
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